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# System Requirements Specification Index

For

## Python Skills Evaluation

Version 1.0

IIHT Pvt. Ltd.  
fullstack@iiht.com

# USE CASE DESCRIPTION

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## Use Case 1

Write a Python program to take input of two numbers from users and find out HCF of those numbers.

**Input:** 10, 15

**Output:** 5

### Description

1. Take two numbers as console input in **main ()** method, from user
2. Pass the 2 numbers to method **get\_hcf()** and write the logic in that method to find HCF of given numbers.
3. If 1 or 2 given values are not integer type raise ValueError from **get\_hcf ()** function.
4. If any or both the numbers are zero, return hcf as 0.
5. Finally return the HCF from **get\_hcf** to **main()** and display it.

## Use Case 2

Write a Python program to take input of a number from user and convert it into words and store them in a string.

**Example:**

**Input:** 2435

**Output:** TWO FOUR THREE FIVE

### Description

1. Take console input of a number, in **main ()** method from user.
2. Pass the number to method **number\_to\_words ()** and write the logic in that method to find convert number into individual words and store them in a single string.
3. If input value is not integer type raise ValueError from **number\_to\_words ()** function.
4. Finally return the string from **number\_to\_words ()** to **main()** and display.

### Execution Steps to Follow:

1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) -> Terminal -> New Terminal.
3. The editor Auto Saves the code.
4. If you want to exit(logout) and to continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in next login.
5. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.
6. To run application for use case1 use the following command  
`python3 HCF.py`
7. To run application for use case2 use the following command  
`python3 number_to_words.py`
8. Mandatory: Before final submission run the following command  
`python3 -m unittest`
9. Once you are done with development and ready with submission, you may navigate to the previous tab and submit the workspace. It is mandatory to click on “Submit Assessment” after you are done with code.
10. You need to use CTRL+Shift+B - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.

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